iOS ownCloud App

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ownCloud
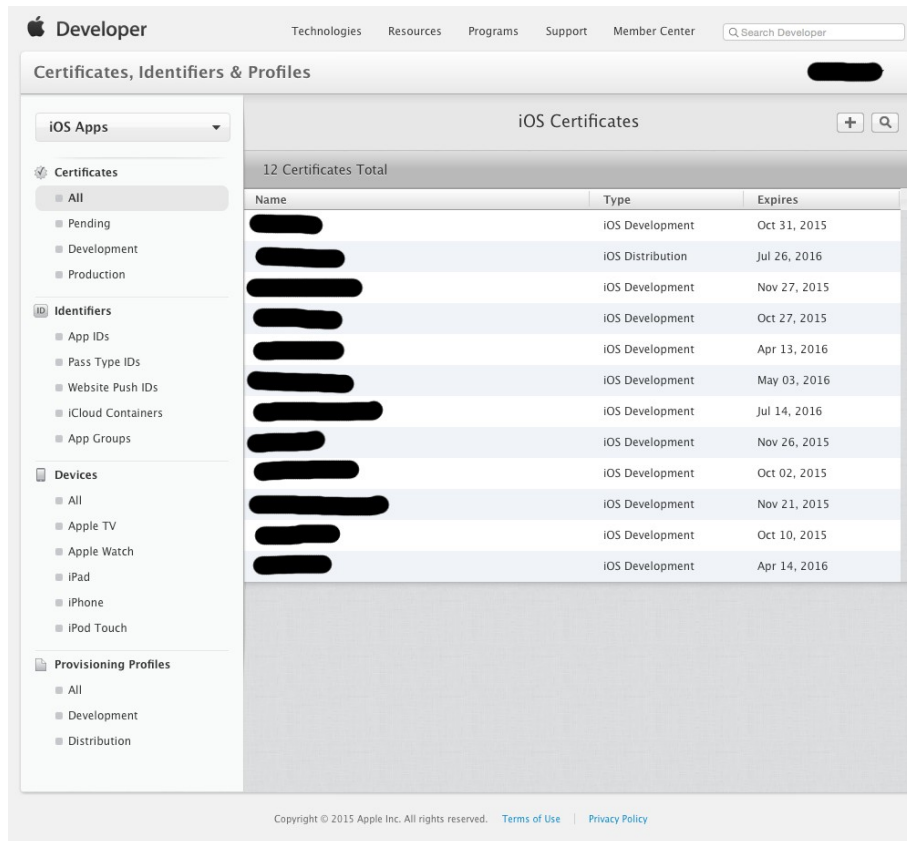CONTRIBUTOR
CONFERENCE

Introduction

1. Config certificates
2. Set up Xcode
3. Describe architecture
4. Develop a Junior job together

Config Certificates

Apple Developer Member Center

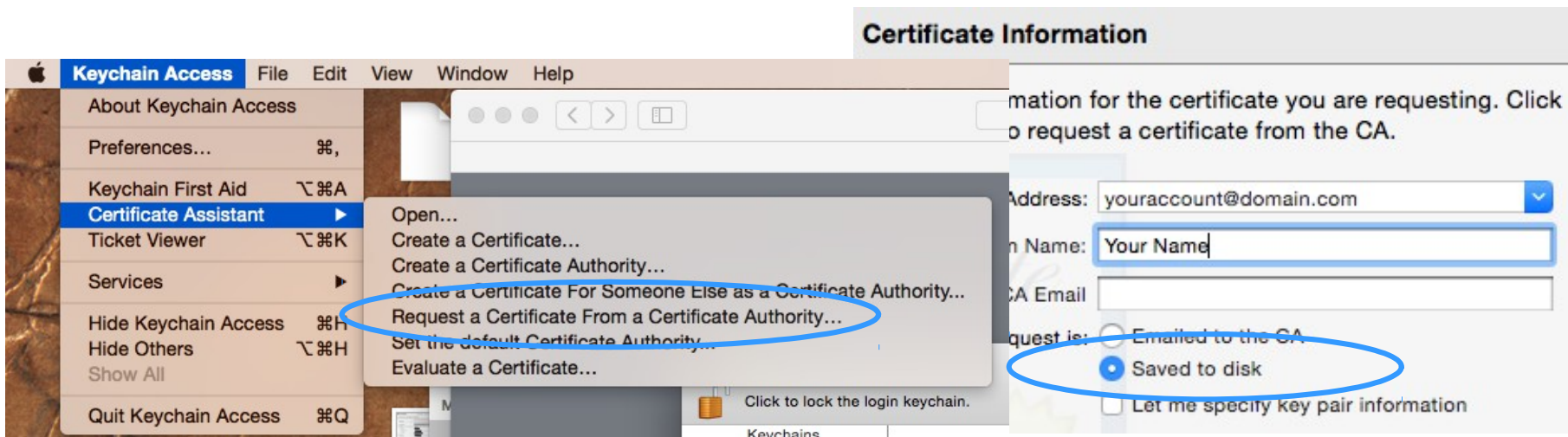- Go to the <u>Certificates Web</u> at the <u>Member Center</u> at: <u>https://developer.apple.com/</u>

Create a Development Certificate

- Open KeyChain
- Select Keychain Access
- Certificate Assistant
- Request a Certificate from a Certificate Authority
- Save on disk after feel the fields

App Ids

- Create 4 App Ids
  - **Main App Id**. Ex: com.mywebpage.owncloud.ios
  - **Document Provider**. Ex: com.mywebpage.owncloud.ios.ownCloudExtApp
  - **Document Provider File Provider**. Ex: com.mywebpage.owncloud.ios.ownCloudExtAppFileProvider
  - **Share In**. Ex: com.mywebpage.owncloud.ios.OC-Share-Sheet

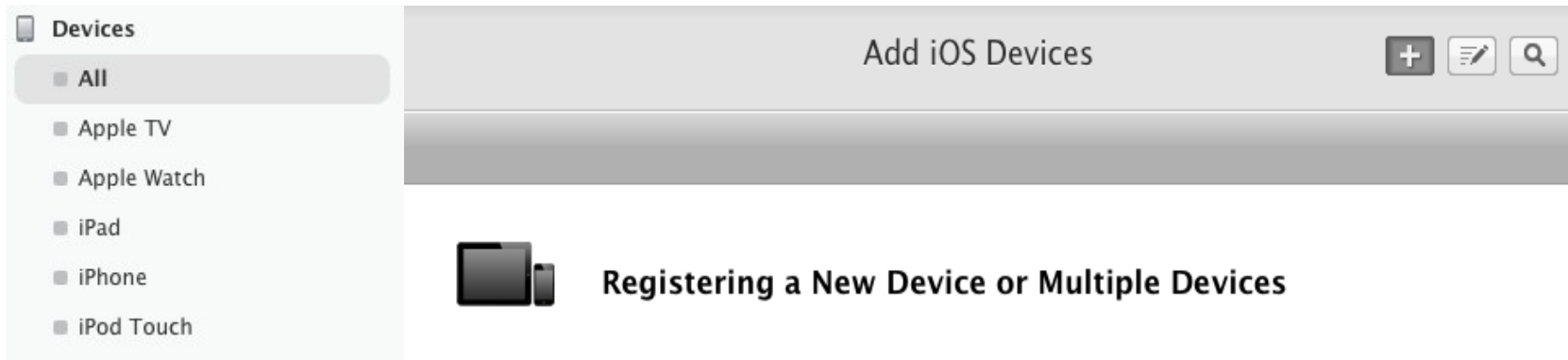# App Group + App Id

- Modify the 4 App Ids adding the App Group

Add iOS Devices

- Add the UDIDs of the devices for develop

Provisioning Profiles

- Create the 4 Provisioning Profile for each App Id

Set up Xcode

Git Hub

- Create a <u>fork</u> of the project at Git Hub <u>https://github.com/owncloud/ios</u>
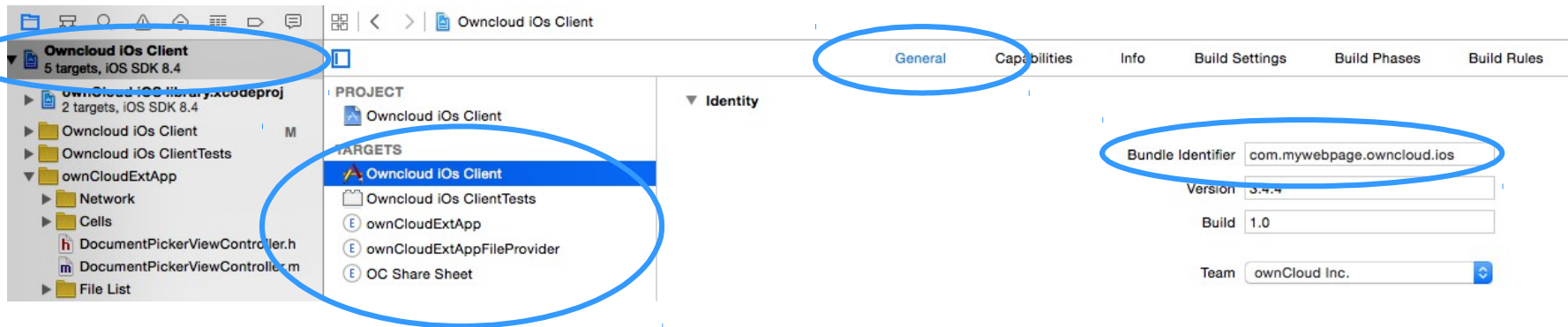

- Create the workshop branch using the Terminal:

```
git clone https://github.com/your_account/ios.git
git submodule init
git submodule update
git checkout -b workshop_your_name
git push origin workshop_your_name
```
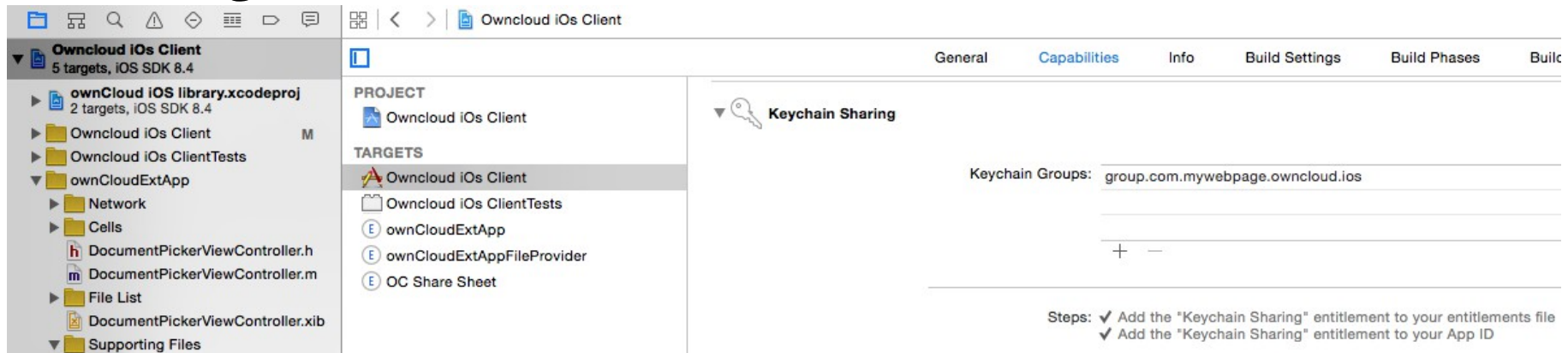
Bundles Identifier

- Change on all the Targets at the Project the Bundle Identifiers with the new ones
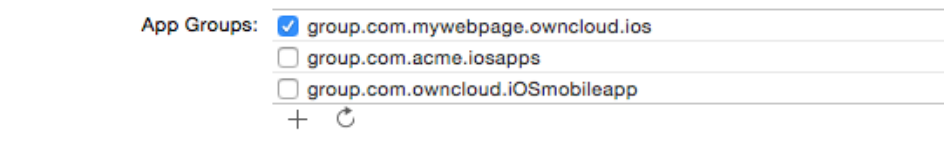
App Group

- Change on all the Targets at <u>Capabilities</u> the KeyChain Sharing

- Select your App Group on all the Targets
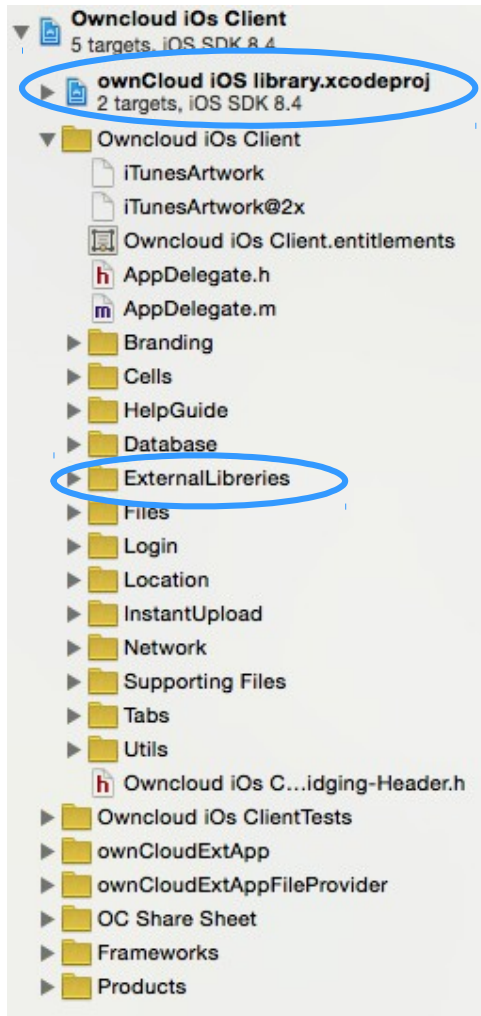
Git Hub

- Upload your changes to your repository

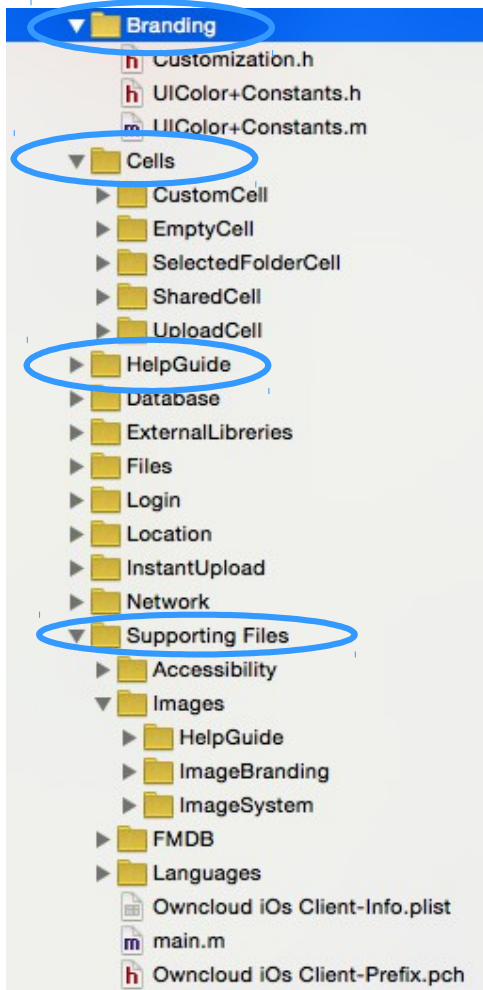git commit -a -m "Added my certificates"
git push origin workshop_your_name

Describe Architecture

Architecture

- Libraries
  - OC Library
  - External libraries

Architecture

- Customize your app
  - Branding
    - Colors
    - Enable/disabled options
    - Set default values
  - Cells
  - Intro Help Guide
  - Supporting Files
    - Accesibility tags
    - Images
    - Languages
    - .plist

Architecture
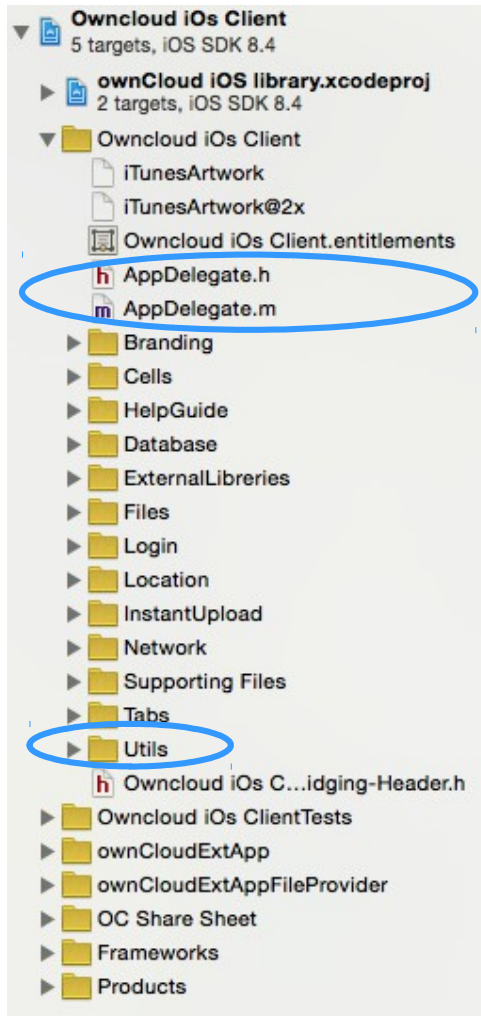
- Main and common methods
  - AppDelegate
  - Utils
    - Common Methods
    - Constants
    - Check Access to server
    - Manage Network errors

Architecture
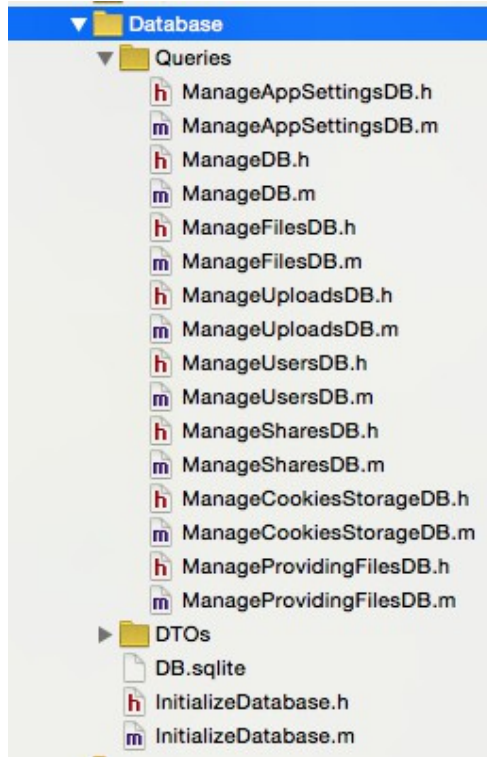
- Database
  - Initialize Database
  - DTOs
  - Queries

Architecture
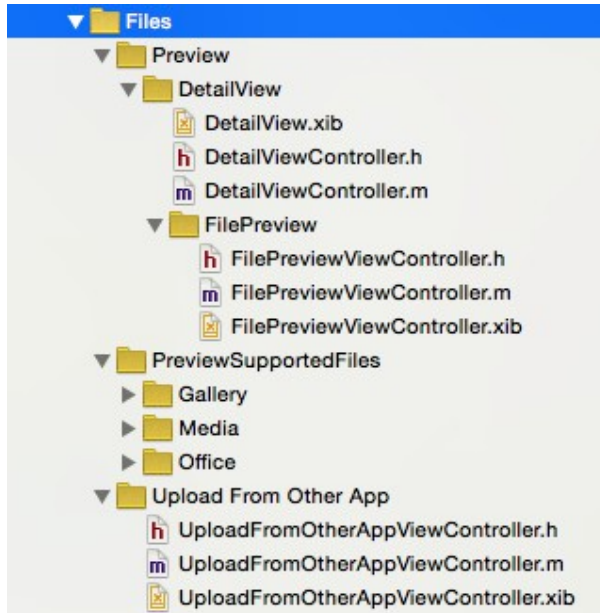
- Manage preview files
  - File Details
  - Gallery
  - Media
  - Office

Architecture

- Login
  - Check if server is valid
  - Check SSO server
  - Store credentials in Keychain
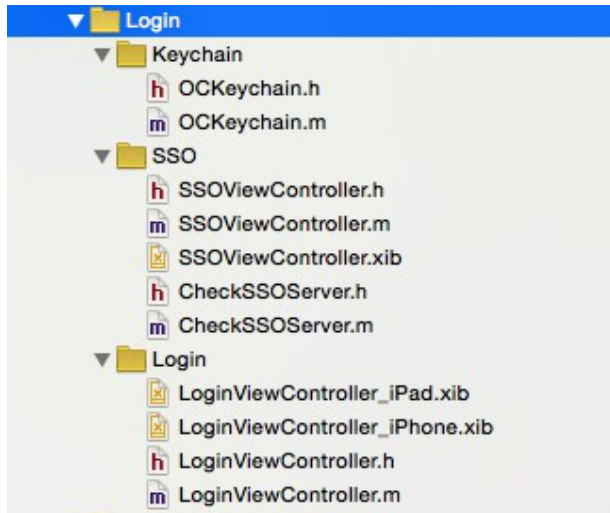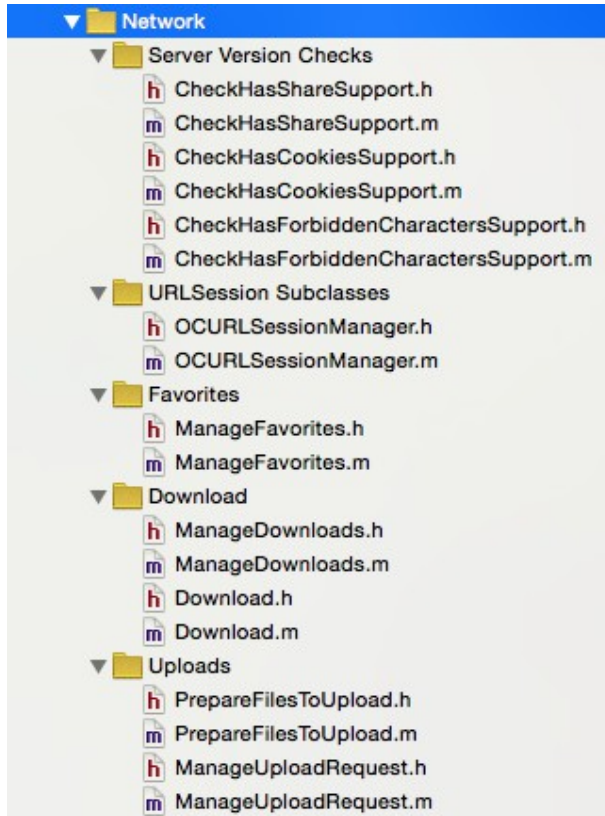
Architecture

Location
- ManageLocation.h
- ManageLocation.m

InstantUpload
- ManageAsset.h
- ManageAsset.m

Network
- Server Version Checks
- URLSession Subclasses
- Favorites
- Download
- Uploads
  - PrepareFilesToUpload.h
  - PrepareFilesToUpload.m
  - ManageUploadRequest.h
  - ManageUploadRequest.m

Supporting Files

Tabs
- Shared Tab
- Files Tab
- Recent Tab
- Settings Tab
  - SettingsViewController.h
  - SettingsViewController.m
  - SettingsViewController.xib
  - WebViewController.h
  - WebViewController.m
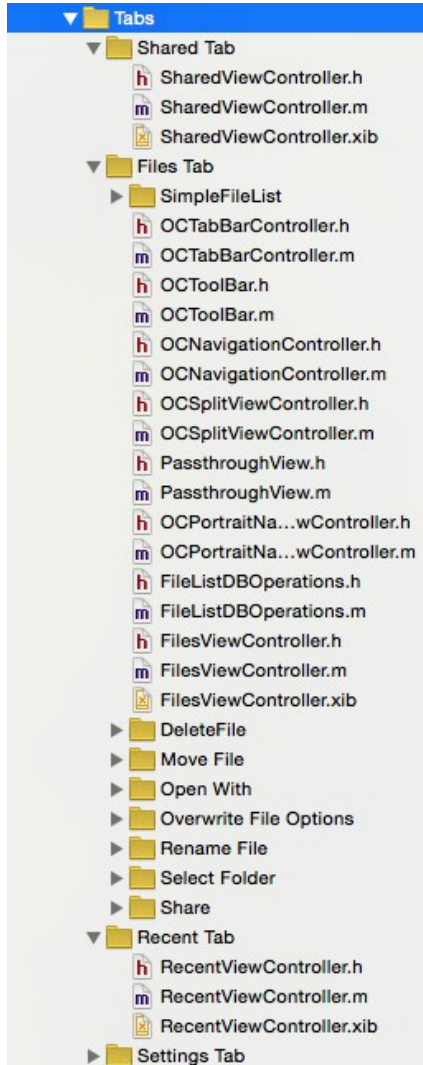 - WebViewController.xib
- Accounts
- Imprint

Utils

- Instant Uploads
  - Significant Changes in locations
  - Search new assets in camera roll

Architecture

- Network
  - Check features that support server
  - Manage
    - Sessions
    - Favorites
    - Downloads
    - Uploads

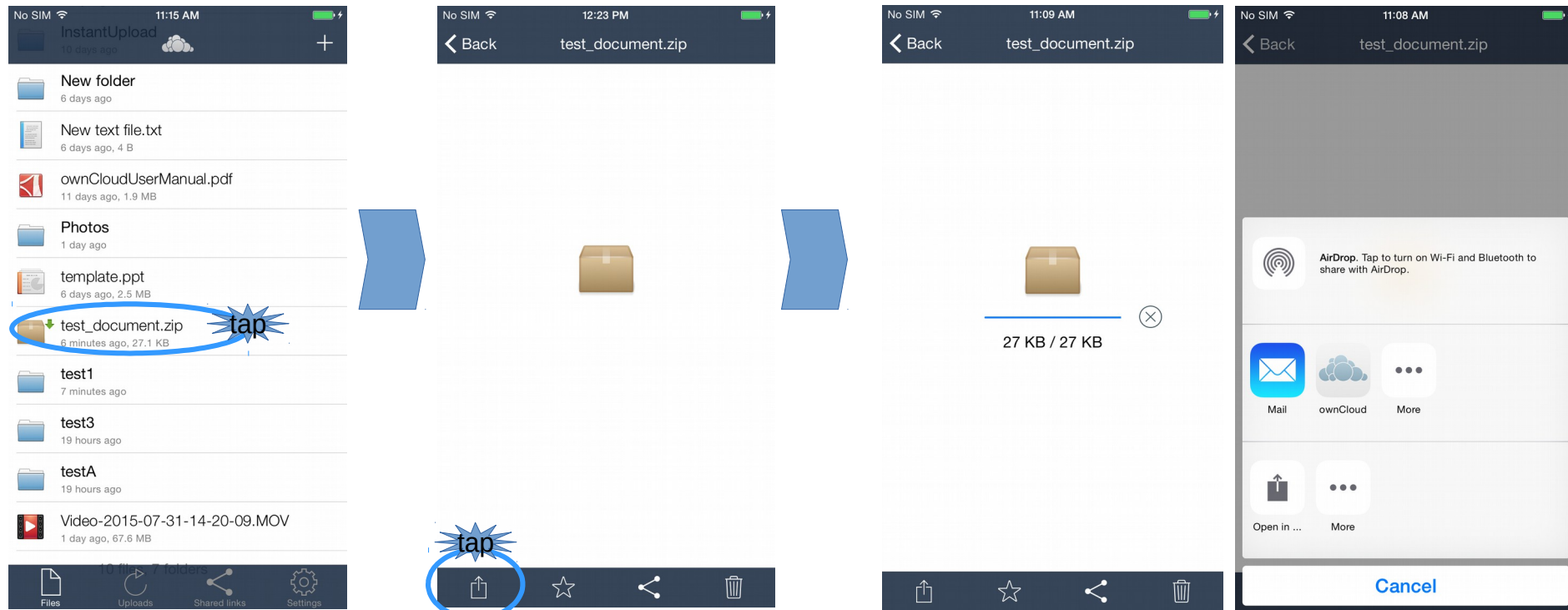# Architecture

- Tabs
  - Shared
  - Files
  - Recent
  - Settings

Develop a Junior Job

ownCloud
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- Now:

- We want:
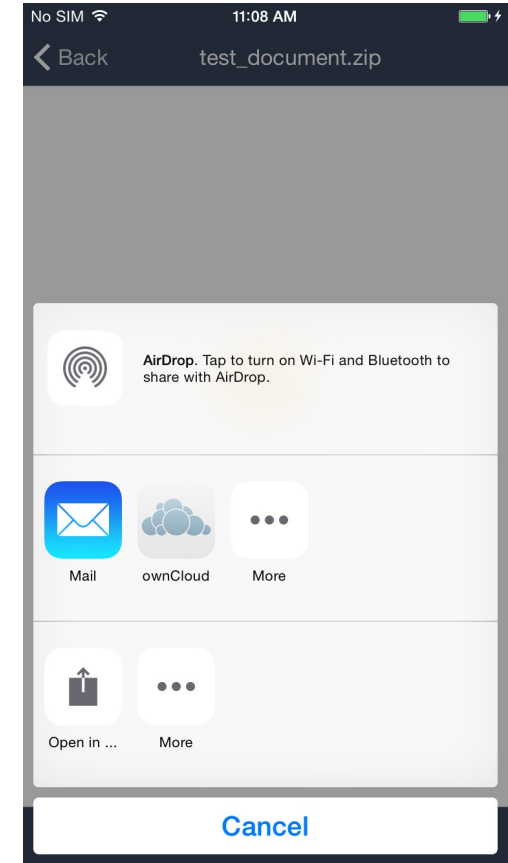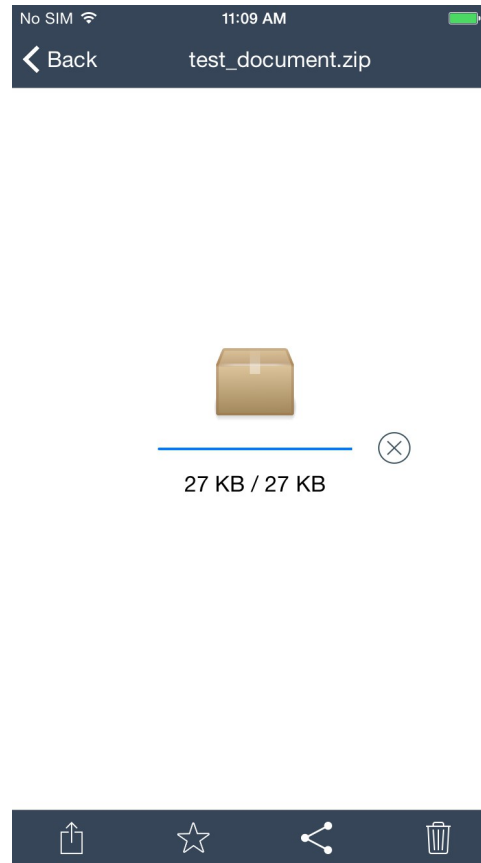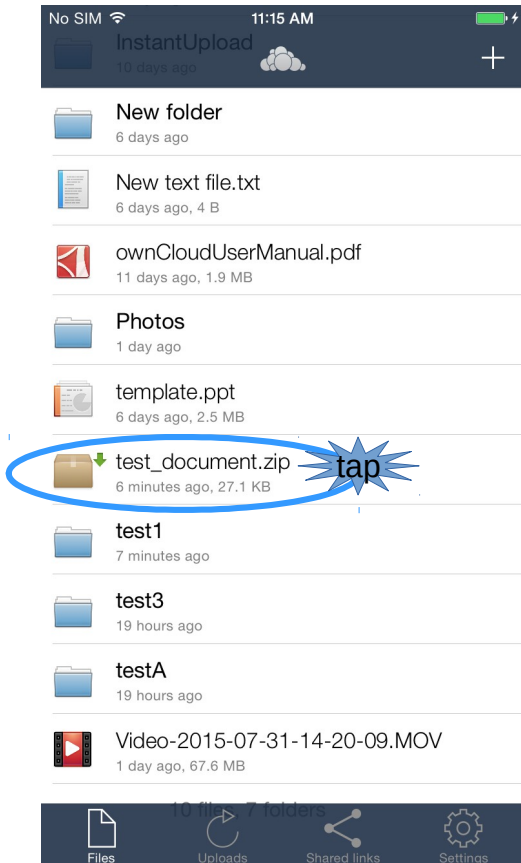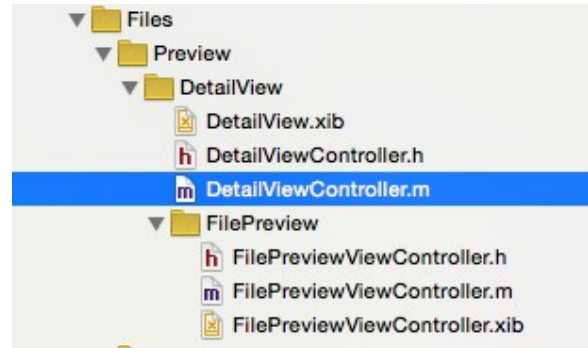
1)Go to Detail View Controller

2) Modified

- In DetailViewController.m

```
354    −        if (([_file isDownload] == notDownload) && _typeOfFile != otherFileType) {
       354 +        if ([_file isDownload] == notDownload) {
```

- In FilePreviewViewController.m

```
480    −        if (([_file isDownload] == notDownload) && _typeOfFile != otherFileType) {
       480 +        if ([_file isDownload] == notDownload) {
```

3) We are ready to push our changes!

```
git commit -a -m "message"
```

4) Revert first commit about certificates

Search on Git Hub the hash of the commit where we change the certificates. Or using "git log" on the Terminal
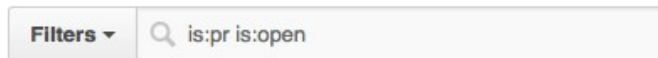
```
git log
git revert #HASH#
```

5) Push final changes

```
git push origin nameMyNewBranch
```

6) Create new PR
https://github.com/your_user/ios/pulls

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https://github.com/your_user/ios/pulls

Thank you!